

Delaware State Clearinghouse Committee
September Agenda
September 24, 2019

| <i>Item</i> | <i>SA#</i> | <i>Applicant</i> | <i>Project Title</i> | <i>Federal</i> | <i>Funding State</i> | <i>Other</i> | <i>Positions</i> | | |
|----------------------|--------------------------------|--|---|----------------|----------------------|--------------|------------------|--------------|--------------|
| | | | | | | | <i>Federal</i> | <i>State</i> | <i>Other</i> |
| New Business* | | | | | | | | | |
| 1 | 4176 | Department of Health and Social Services, State Service Centers, State Service Centers | AmeriCorps State Formula Fixed Amount | \$60,800 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 2 | 4183 | Department of Health and Social Services, Public Health, Community Health | State Maternal Health Innovation Program | \$9,549,810 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 3 | 2019-07-02-01 | Department of Health and Social Services, Substance Abuse and Mental Health, Substance Abuse | 2019 Transformation Transfer Initiative (TTI) | \$0 | \$0 | \$150,000 | 0.00 | 0.00 | 0.00 |
| 4 | 4155 | Department of Natural Resources and Environmental Control, Division of Climate, Coastal, and Energy | Assessing beneficial use of dredged sediments for resili | \$75,000 | \$75,000 | \$0 | 0.00 | 0.00 | 0.00 |
| 5 | 4162 | Department of Natural Resources and Environmental Control, Division of Watershed Stewardship | Prime Hook Wetland Restoration Monitoring | \$30,107 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 6 | 4165 | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife | C-9-L-1 Thousand Acre Marsh Wetland Protection | \$390,000 | \$212,000 | \$812 | 0.00 | 0.00 | 0.00 |
| Continued | | | | | | | | | |
| 1 | 4211 | Executive, Criminal Justice, Criminal Justice Council | Project Safe Neighborhoods 2019 | \$94,854 | \$0 | \$0 | 0.50 | 0.00 | 0.00 |
| 2 | 3644 Amendment | Executive, Criminal Justice, Statistical Analysis Centers | State Justice Statistics Program for Statistical Analysis Centers | \$67,953 | \$0 | \$0 | 0.90 | 0.00 | 0.00 |
| 3 | 4140 | Legal, Department of Justice | Medicaid Fraud Control Unit | \$1,903,169 | \$634,404 | \$0 | 13.75 | 4.25 | 0.00 |
| 4 | 4185 | Department of State, Office of the Secretary, Administration | State Trade Expansion Program | \$289,617 | \$96,538 | \$0 | 0.00 | 0.00 | 0.00 |
| 5 | 4075 | Department of Health and Social Services, Public Health, Community Health | Delaware State Drinking Water Revolving Fund | \$11,004,000 | \$2,200,800 | \$0 | | | |
| 6 | 4135 | Department of Health and Social Services, Visually Impaired, Visually Impaired Services | Vocational Rehabilitation - Blind (Basic Support) | \$1,293,382 | \$350,119 | \$0 | 14.00 | 1.00 | 0.00 |
| 7 | 4144 | Department of Health and Social Services, Social Services | Supplemental Nutrition Assistance Program - Electronic Benefits Transfer State Exchange | \$4,000 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 8 | 4161 | Department of Health and Social Services, Public Health, Community Health | Maternal and Child Health Services | \$1,993,981 | \$13,260,850 | \$0 | 18.75 | 53.40 | 0.00 |
| 9 | 4167 | Department of Health and Social Services, Division of Health Care Quality | Centers for Medicare and Medicaid Services Survey and Certification - Medicare | \$1,914,694 | \$0 | \$0 | 11.20 | 0.00 | 0.00 |
| 10 | 4168 | Department of Health and Social Services, Division of Health Care Quality | Centers for Medicare and Medicaid Services Survey and Certification -Medicaid | \$1,156,353 | \$639,846 | \$0 | 9.45 | 6.75 | 0.00 |
| 11 | 4169 | Department of Health and Social Services, Division of Health Care Quality | Centers for Medicare and Medicaid Services Survey and Certification - Hospice | \$21,529 | \$0 | \$0 | 0.18 | 0.00 | 0.00 |
| 12 | 4192 | Department of Health and Social Services, Administration, Office of the Secretary | State Loan Repayment Program | \$675,000 | \$675,000 | \$0 | 0.00 | 0.00 | 0.00 |
| 13 | 4193 | Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration, Community Services | Nutrition Services Incentive Plan | \$466,497 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 14 | 4194 | Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration, Community Services | Title III B Supportive Services | \$1,758,443 | \$2,224,520 | \$0 | 12.75 | 18.25 | 0.00 |
| 15 | 4206 | Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration, Community Services | Title VII Elder Abuse Prevention | \$23,832 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 16 | 4207 | Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration, Community Services | Title VII Ombudsman Activity | \$79,314 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |

*New Business requires the attendance of the Contact Person.
Available on the internet at <http://budget.delaware.gov/clearinghouse/abm.shtml>

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| 17 | 4210 | Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration, Community Services | Title III Disease Prevention and Health Promotion | \$98,661 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 18 | 4212 | Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration, Community Services | Title III E National Family Caregivers Support | \$702,702 | \$270,000 | \$0 | 3.00 | 0.00 | 0.00 |
| 19 | 4216 | Department of Health and Social Services, Substance Abuse and Mental Health, Administration | State Opioid Response (SOR) | \$6,574,372 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 20 | 4217 | Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration, Community Services | Title III C-2 Home Delivered Meals | \$1,076,146 | \$2,238,512 | \$0 | 0.00 | 0.00 | 0.00 |
| 21 | 4222 | Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration, Community Services | Title III C-1 Congregate Meals | \$2,192,637 | \$1,226,408 | \$0 | 4.50 | 7.25 | 0.00 |
| 22 | 4213 | Department of Services for Children, Youth and Their Families, Family Services, Intervention, Treatment | IV-E Adoption | \$1,900,000 | \$1,900,000 | \$0 | 0.00 | 0.00 | 0.00 |
| 23 | 4215 | Department of Services for Children, Youth and Their Families, Management Support Services, Office of the Secretary | IV-E Foster Care | \$1,844,456 | \$1,844,456 | \$0 | 2.34 | 2.34 | 0.00 |
| 24 | 4218 | Department of Services for Children, Youth and Their Families, Division of Prevention and Behavioral Health Services, Prevention, Early Intervention | Community Alliance Behavioral Health & Well-being | \$400,000 | \$234,652 | \$0 | 0.00 | 1.03 | 0.00 |
| 25 | 4219 | Department of Services for Children, Youth and Their Families, Division of Prevention and Behavioral Health Services, Prevention, Early Intervention | System of Care | \$1,500,000 | \$538,371 | \$0 | 0.00 | 0.85 | 0.00 |
| 26 | 4221 | Department of Services for Children, Youth and Their Families, Division of Prevention and Behavioral Health Services, Prevention, Early Intervention | Delaware Child Psychiatry Access Program | \$445,000 | \$89,258 | \$0 | 0.00 | 0.35 | 0.00 |
| 27 | 4103 | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife | Joint Enforcement Agreement | \$200,140 | \$600 | \$0 | 1.85 | 0.00 | 0.00 |
| 28 | 4107 | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife | T2-1-T-7 Environmental Review and Technical Assistance | \$420,875 | \$226,625 | \$0 | 0.07 | 0.25 | 0.00 |
| 29 | 4149 | Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances | Hazardous Waste Management Program | \$2,370,000 | \$790,000 | \$0 | 8.25 | 0.75 | 1.45 |
| 30 | 4154 | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife | F-37-R-10 Stream and Tidal Tributary Fish Survey | \$31,344 | \$10,448 | \$0 | 0.24 | 0.01 | 0.00 |
| 31 | 4156 | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife | T-11-P-8 National and Regional Conservation Coord | \$113,750 | \$61,250 | \$0 | 0.02 | 0.13 | 0.00 |
| 32 | 4159 | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife | T2-18-R-4 Avian Conservation Projects | \$268,707 | \$144,714 | \$0 | 2.60 | 0.17 | 0.00 |
| 33 | 4160 | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife | T2-19-R-3 Delmarva Fox Squirrel Conservation Plan | \$327,445 | \$176,315 | \$0 | 1.17 | 0.10 | 0.00 |
| 34 | 4170 | Department of Natural Resources and Environmental Control, Office of Environmental Protection, Air Quality | Air Pollution Control | \$3,480,813 | \$2,641,545 | \$0 | 11.20 | 6.35 | 0.00 |
| 35 | 4181 | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife | T2-20-R-3 Pollinator Species of Greatest Conserv. | \$185,010 | \$99,621 | \$0 | 0.00 | 0.09 | 0.00 |
| 36 | 4126 | Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous | Leaking Underground Storage Tank Prevention | \$763,437 | \$254,478 | \$0 | 2.70 | 0.75 | 0.00 |
| 37 | 4127 | Department of Safety and Homeland Security, State Police, Criminal Investigation | Port Security Program | \$465,000 | \$55,000 | \$0 | 0.00 | 0.00 | 0.00 |
| 38 | 4189 | Department of Safety and Homeland Security, State Police, State Bureau of Identification | National Instant Criminal Background Check Sstem (NICS) Act - Record Improvement Program (NARIP) | \$324,500 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 39 | 4191 | Department of Safety and Homeland Security, State Police, State Bureau of Identification | National Criminal History Improvement Program | \$161,100 | \$17,900 | \$0 | 0.00 | 0.00 | 0.00 |
| 40 | 4190 | Department of Labor, Unemployment Insurance | Unemployment Insurance Administration Grant | \$11,419,424 | \$0 | \$0 | 127.00 | 0.00 | 0.00 |
| 41 | 4198 | Department of Labor, Industrial Affairs, Anti-Discrimination | Equal Employment Oppurtunity Commission | \$262,660 | \$0 | \$0 | 3.00 | 0.00 | 0.00 |
| 42 | 4203 | Department of Labor, Division of Industrial Affairs, Occupational Safety and Health Administration, Bureau of Labor Statistics | Occupational Safety and Health Statistics | \$79,000 | \$79,000 | \$0 | 1.00 | 1.00 | 0.00 |

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| 43 | 4204 | Department of Labor, Division of Industrial Affairs, Occupational Safety and Health Administration, Bureau of Labor Statistics | Occupational Safety and Health Consultation | \$454,400 | \$50,489 | \$0 | 5.50 | 0.50 | 0.00 |
| 44 | 4208 | Department of Labor, Unemployment Insurance | Trade & Alternative Trade Adjustment Benefits | \$2,000,000 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 45 | 2981 Amendment | Department of Labor, Employment and Training, Employment and Training Services | Apprenticeship USA Expansion Grant (Mod) | \$968,879 | \$0 | \$0 | 0.85 | 0.00 | 0.00 |
| 46 | 4171 | Department of Agriculture, Forest Service | Conservation Reserve Program Sign up 51 | \$4,332 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 47 | 4172 | Department of Agriculture, Food Products Inspection | Public Health Data Communication Infrastructure System (PHDCIS) | \$1,000 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 48 | 4174 | Department of Agriculture, Administration | Specialty Crop Block Grant | \$359,016 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 49 | 4175 | Department of Agriculture, Agricultural Lands Preservation Foundation | Agricultural Conservation Easement Program | \$5,000,000 | \$5,000,000 | \$0 | 0.00 | 0.00 | 0.00 |
| 50 | 4177 | Department of Agriculture, Administration | Senior Farmer's Market Nutrition Program | \$30,000 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 51 | 4182 | Department of Agriculture, Food Products Inspection | Cross Utilization | \$270,000 | \$0 | \$0 | 3.60 | 0.00 | 0.00 |
| 52 | 4184 | Department of Agriculture, Food Products Inspection | Meat Inspection | \$312,532 | \$312,532 | \$0 | 2.50 | 2.50 | 0.00 |

Higher Education

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| 1 | 4199 | Delaware Technical and Community College | Educational Talent Search (ETS) -4th Allotment | \$351,074 | \$0 | \$0 | | | |
| 2 | 2019-09-07-01 | University of Delaware | SCC-IRG Track 1: A Socially-Adaptable and Policy-Driven Mobility for Smart Cities | \$942,196.00 | \$0 | \$0.00 | | | |
| 3 | 2019-09-07-02 | University of Delaware | Understanding the Impact of Local Environment of Surface Nitrogen on Electrochemical Nitrogen Reduction Reaction | \$331,364.00 | \$0 | \$0.00 | | | |
| 4 | 2019-09-07-03 | University of Delaware | Combining Observational Technologies With Survey Methodologies Using Energy End Use as Metric of Study | \$292,482.00 | \$0 | \$0.00 | | | |
| 5 | 2019-09-07-04 | University of Delaware | Competing Instability Mechanisms in Hypersonic Boundary Layers | \$274,565.00 | \$0 | \$0.00 | | | |
| 6 | 2019-09-07-05 | University of Delaware | Imaging Genetics Study of Twins Who Stutter | \$0.00 | \$0 | \$4,686.00 | | | |
| 7 | 2019-09-07-06 | University of Delaware | Scholars: StateE Space Axioms for Quantam Field Theory | \$65,399.00 | \$0 | \$0.00 | | | |
| 8 | 2019-09-07-07 | University of Delaware | A Longitudinal Study of Neural Network Development in Children Who Stutter | \$0.00 | \$0 | \$68,138.00 | | | |
| 9 | 2019-09-07-08 | University of Delaware | Effects of Prenatal Opioid Exposure on Infant Autonomic Physiology | \$192,051.00 | \$0 | \$0.00 | | | |
| 10 | 2019-09-07-09 | University of Delaware | 1987-1554: Faster-Than-Real-Time Simulation for Resilient Der Integration | \$0.00 | \$0 | \$351,615.00 | | | |
| 11 | 2019-09-07-10 | University of Delaware | Quantifying Soil Health Impacts and Pest Dynamics in Diverse Winter Cropping Systems | \$397,851.00 | \$0 | \$0.00 | | | |
| 12 | 2019-09-07-11 | University of Delaware | Acquisition of Goods and Services | \$18,182.00 | \$0 | \$0.00 | | | |

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| 13 | 2019-09-07-12 | University of Delaware | SBA Portable Assistance Program, OSBDC-2018-06 Option 1 | \$91,743.00 | \$0 | \$0.00 |
| 14 | 2019-09-07-13 | University of Delaware | Central Neural Mechanisms of Mobility Limitations in Older Adults | \$0.00 | \$0 | \$127,029.00 |
| 15 | 2019-09-07-14 | University of Delaware | FCC NDBEDP National Deaf-Blind Equipment Distribution Program | \$62,853.00 | \$0 | \$0.00 |
| 16 | 2019-09-07-15 | University of Delaware | Coaching and Professional Learning Support to Mathematics Teachers Aa Laurel High School to Support Curriculum Implementation | \$0.00 | \$0 | \$20,557.00 |
| 17 | 2019-09-07-16 | University of Delaware | Growth and Characterization of Quantized Antimony-Based Topological Insulators | \$0.00 | \$0 | \$50,000.00 |
| 18 | 2019-09-07-17 | University of Delaware | Collaborative Research:A Two Million Year History of Ocean-Atmosphere Co2 Exchange in the Antarctic Zone of the Southern Ocean | \$106,098.00 | \$0 | \$0.00 |
| 19 | 2019-09-07-18 | University of Delaware | Electrochemical Platform for Chemical Synthesis from Carbon Monoxide | \$45,000.00 | \$0 | \$0.00 |
| 20 | 2019-09-07-19 | University of Delaware | PPARg As a Key Regulator of Sex-Based Differences in Bronchopulmonary Dysplasia | \$192,514.00 | \$0 | \$0.00 |
| 21 | 2019-09-07-20 | University of Delaware | Modulating Drug Biodistribution for Fetal Health During Systemic Maternal Delivery for Pre-Eclampsia Treatment | \$192,514.00 | \$0 | \$0.00 |
| 22 | 2019-09-07-21 | University of Delaware | Behavioral and Computational Processes of Motor Learning in Parkinson Disease | \$0.00 | \$0 | \$250,000.00 |
| 23 | 2019-09-07-22 | University of Delaware | The Role of Oxidative Stress and Endothelial Dysfunction in Sodium-Induced Changes in Pulsatile Hemodynamics | \$0.00 | \$0 | \$128,836.00 |
| 24 | 2019-09-07-23 | University of Delaware | The Heart and Brain Connection in Chronic Kidney Disease | \$0.00 | \$0 | \$128,836.00 |
| 25 | 2019-09-07-24 | University of Delaware | Collaborative Research: Modeling Wave Breaking Onset and Dissipation in Energy-Conserving Models for Surface Waves | \$156,887.00 | \$0 | \$0.00 |
| 26 | 2019-09-07-25 | University of Delaware | Advancing Infrared Technology Using a New Device Paradigm | \$339,891.00 | \$0 | \$0.00 |
| 27 | 2019-09-07-26 | University of Delaware | Administrative SupplementtTo R01Gm132460 Via Nih Cf-Gsp | \$100,000.00 | \$0 | \$0.00 |
| 28 | 2019-09-07-27 | University of Delaware | Christiana Care Unite Us Pade 19/20 Partner Organization | \$0.00 | \$0 | \$16,500.00 |
| 29 | 2019-09-07-28 | University of Delaware | Christiana Care Health System Teen Pipeline PADE 19/20 Partner Organization | \$0.00 | \$0 | \$16,500.00 |
| 30 | 2019-09-07-29 | University of Delaware | West Side Grows Together PADE 19/20 Partner Organization | \$0.00 | \$0 | \$16,500.00 |
| 31 | 2019-09-07-30 | University of Delaware | LYTE PADE 19/20 Partner Organization | \$0.00 | \$0 | \$14,500.00 |

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| 32 | 2019-09-07-31 | University of Delaware | Florida Developmental Disabilities Network Collaborative Leadership Program Year 2 | \$0.00 | \$0 | \$120,358.00 |
| 33 | 2019-09-07-32 | University of Delaware | United Way of De Community Impact PADE 19/20 Partner Organization | \$0.00 | \$0 | \$16,500.00 |
| 34 | 2019-09-07-33 | University of Delaware | My Art Speaks for Both My Peoples: A Symposium on Elizabeth Catlett | \$0.00 | \$0 | \$3,000.00 |
| 35 | 2019-09-07-34 | University of Delaware | Tech Impact PADE 19/20 Partner Organization | \$0.00 | \$0 | \$16,500.00 |
| 36 | 2019-09-07-35 | University of Delaware | Delaware Youth Leadership Network PADE 19/20 Partner Organization | \$0.00 | \$0 | \$12,500.00 |
| 37 | 2019-09-07-36 | University of Delaware | Urban Pike Project PADE 19/20 Partner Organization | \$0.00 | \$0 | \$12,500.00 |
| 38 | 2019-09-07-37 | University of Delaware | Collaborative Research: Effects of Climate Variability on Deep-Sea Hydrodynamics and Vent Larval Dispersal at an Ocean Ridge | \$145,168.00 | \$0 | \$0.00 |
| 39 | 2019-09-07-38 | University of Delaware | CRII: NeTS: Towards Formal Methods For Characterizing And Mitigating Online False Information In Non-Network Social Media | \$114,232.00 | \$0 | \$0.00 |
| 40 | 2019-09-07-39 | University of Delaware | Collaborative Research: Lifetime Consequences of Early Life Experience in Fish: The Impact of Nursery Habitats on Population Dynamics In A Changing Ocean | \$426,574.00 | \$0 | \$0.00 |
| 41 | 2019-09-07-40 | University of Delaware | Updating and Extending The Dynamic Process Tracing Environment Experimental Research Platform | \$172,471.00 | \$0 | \$0.00 |
| 42 | 2019-09-07-41 | University of Delaware | Cooperative Robot Planners for Currently Infeasible Tasks | \$233,937.00 | \$0 | \$0.00 |
| 43 | 2019-09-07-42 | University of Delaware | Collaborative Research: Understanding and Modeling of Thermal Transport Processes Within Near-Ground Atmosphere in the Presence of Utility-Scale Solar Photovoltaics (PV) Plants | \$28,435.00 | \$0 | \$0.00 |
| 44 | 2019-09-07-43 | University of Delaware | Robust Visual-Inertial Estimation And Perception for Long-Term Autonomy | \$371,365.00 | \$0 | \$0.00 |
| 45 | 2019-09-07-44 | University of Delaware | Quantitative Modeling of the Ultraviolet Spectra Of Magnetic Massive Stars | \$97,013.00 | \$0 | \$0.00 |
| 46 | 2019-09-07-45 | University of Delaware | Linking Data and Policy to Improve College Readiness in Delaware | \$886,020.00 | \$0 | \$0.00 |
| 47 | 2019-09-07-46 | University of Delaware | Cinnaire PADE 19/20 Partner Organization | \$0.00 | \$0 | \$16,500.00 |
| 48 | 2019-09-07-47 | University of Delaware | DCRAC PADE 19/20 Partner Organization | \$0.00 | \$0 | \$16,500.00 |
| 49 | 2019-09-07-48 | University of Delaware | Evaluating the Efficacy of Supporting Movement Activity for Reasoning and Thinking in Play (Smart-Play) For Infants With Motor Delays Under 2 Years of Age | \$0.00 | \$0 | \$404,430.00 |
| 50 | 2019-09-07-49 | University of Delaware | Collaborative Research: Investigation Of The Diffusive Air-Sea Flux Of Oc In A Temperate Estuary | \$311,996.00 | \$0 | \$0.00 |

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| 51 | 2019-09-07-50 | University of Delaware | Value in Diversity In Legislatures | \$218,620.00 | \$0 | \$0.00 |
| 52 | 2019-09-07-51 | University of Delaware | Rapid and Precise Measurements Of $\delta^{13}\text{C}$ -DIC and DIC Concentration on Board Go-Ship Cruises (A13.5 And A25) to Enhance Our Ability to Quantify Anthropogenic CO_2 Uptake Rates by the Ocean | \$297,844.00 | \$0 | \$0.00 |
| 53 | 2019-09-07-52 | University of Delaware | Crii: Cif: A Fresh Look At Network Information Theory: Geometric And Functional Approaches | \$114,543.00 | \$0 | \$0.00 |
| 54 | 2019-09-07-53 | University of Delaware | NSF-BSF Collaborative Research: Quantifying Long-Term Seawater Circulation in Aquifers and its Potential Role in Element Budgets in The Ocean | \$203,413.00 | \$0 | \$0.00 |
| 55 | 2019-09-07-54 | University of Delaware | The Institute for Cyber Resilient Energy-Efficient Manufacturing (CREM) | \$0.00 | \$0 | \$3,858,496.00 |
| 56 | 2019-09-07-55 | University of Delaware | Emergency Poultry Disease Response and Policy (EPDRP) International Symposium | \$356,288.00 | \$0 | \$0.00 |
| 57 | 2019-09-07-56 | University of Delaware | Fact for Soils: Cyber Informatics to Improve Knowledge of Soil Carbon Dynamics | \$356,695.00 | \$0 | \$0.00 |
| 58 | 2019-09-07-57 | University of Delaware | Higher Education Partnerships: Building Infrastructure for the Future | \$893,755.00 | \$0 | \$0.00 |
| 59 | 2019-09-07-58 | University of Delaware | Collaborative Research: Microbial Nutrient Dynamics of Gulf of Mexico Methane Seeps | \$492,601.00 | \$0 | \$0.00 |
| 60 | 2019-09-07-59 | University of Delaware | Quality Over Compliance: Assessing the Delaware Performance Appraisal System for Quality, Fidelity, and Alignment | \$1,080,928.00 | \$0 | \$0.00 |
| 61 | 2019-09-07-60 | University of Delaware | Paving the Way For Fractions: Exploring Foundational Fraction Concepts and Learning in First Grade | \$919,085.00 | \$0 | \$0.00 |
| 62 | 2019-09-07-61 | University of Delaware | DCCS Online: Esl and Classroom Teachers Working Together with Students and Families | \$0.00 | \$0 | \$106,186.00 |
| 63 | 2019-09-07-62 | University of Delaware | CRII: CHS: Joint Attention And Collaboration In Virtual Environments: Understanding And Developing Gaze Patterns Of Individuals With Autism In Collaborative Virtual Settings | \$114,653.00 | \$0 | \$0.00 |
| 64 | 2019-09-07-63 | University of Delaware | Targeting Mathematical Misconceptions and Improving Procedural Fluency: An Exploration of Individual Differences in Learning Through Errors | \$997,554.00 | \$0 | \$0.00 |
| 65 | 2019-09-07-64 | University of Delaware | Delaware Youth Firearms Prevention | \$0.00 | \$0 | \$35,168.00 |
| 66 | 2019-09-07-65 | University of Delaware | Carbon Sequestration in the Urban Landscape | \$0.00 | \$0 | \$47,776.00 |
| 67 | 2019-09-07-66 | University of Delaware | Anisotropic Imaging of the Alaska-Aleutian Subduction Zone from Shear Wave Splitting Analyses | \$144,817.00 | \$0 | \$0.00 |
| 68 | 2019-09-07-67 | University of Delaware | Walmart Healthy Living Initiative FY 2020 | \$0.00 | \$0 | \$57,273.00 |
| 69 | 2019-09-07-68 | University of Delaware | Development and Validation of the Recognizing Excellence in Learning and Teaching (RELATE) Tool for Inclusive Classroom Observation | \$940,644.00 | \$0 | \$0.00 |

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| 70 | 2019-09-07-69 | University of Delaware | Deep Ocean Circulation and Water Mass Structure in the High Latitude South Pacific Across the Plio/Pleistocene | \$0.00 | \$0 | \$11,266.00 |
| 71 | 2019-09-07-70 | University of Delaware | Engineering Biosynthesis of an Adhesive Eip And An Antifouling Coating by Grafting Cyanophycin | \$358,105.00 | \$0 | \$0.00 |
| 72 | 2019-09-07-71 | University of Delaware | Upward Bound Program | \$322,228.00 | \$0 | \$0.00 |
| 73 | 2019-09-07-72 | University of Delaware | Upward Bound Math & Science Year 3 | \$303,356.00 | \$0 | \$0.00 |
| 74 | 2019-09-07-73 | University of Delaware | Literacy Trajectories in the Early Grades: Exploring The Role of Student, Teacher, and School Factors | \$0.00 | \$0 | \$76,732.00 |
| 75 | 2019-09-07-74 | University of Delaware | Rapid Center for EM-Enhanced Thermochemical Reaction Engineering (EMETRE) | \$0.00 | \$0 | \$772,944.00 |
| 76 | 2019-09-07-75 | University of Delaware | Advancing Accelerated Bridge Construction with Ultra-High Performance Concrete Field-Cast Connections | \$0.00 | \$0 | \$40,000.00 |
| 77 | 2019-09-07-76 | University of Delaware | Stochastic Methods for Studying Biochemical Processes Inside Single Cells | \$156,829.00 | \$0 | \$0.00 |
| 78 | 2019-09-07-77 | University of Delaware | Understanding the Impact of Tennessee's Achievement School District and Ongoing School Improvement Under ESSA | \$0.00 | \$0 | \$13,058.00 |
| 79 | 2019-09-07-78 | University of Delaware | USAD SLBC FY20 | \$1,344,100.00 | \$0 | \$0.00 |
| 80 | 2019-09-07-79 | University of Delaware | Interaction Dynamics and the Development of Structure in Ti-Pure System | \$0.00 | \$0 | \$184,501.00 |
| 81 | 2019-09-07-80 | University of Delaware | An Evaluation of Turning Around North Carolina's Lowest Performing Schools: A State Partnership Evaluation | \$0.00 | \$0 | \$27,576.00 |
| 82 | 2019-09-07-81 | University of Delaware | Evaluation of The Longer-Term Impacts and Examination of the Descriptive Outcomes of the Ongoing School Improvement Under ESSA. | \$0.00 | \$0 | \$32,661.00 |
| 83 | 2019-09-07-82 | University of Delaware | An Efficacy Study To Evaluate Conceptual Model-Based Problem Solving -- A Computer-Assisted Mathematics | \$0.00 | \$0 | \$599,714.00 |
| 84 | 2019-09-07-83 | University of Delaware | JPMC FSNAN PHD Student Tuition and Stipend Support Funds | \$0.00 | \$0 | \$726,440.00 |
| 85 | 2019-09-07-84 | University of Delaware | Assessing Dual Language Learners: Turning the Right Thing to Do into the Easy Thing to Do | \$992,355.00 | \$0 | \$0.00 |
| 86 | 2019-09-07-85 | University of Delaware | Comcast NBCUniversal Energy Assessment Program | \$0.00 | \$0 | \$17,341.00 |
| 87 | 2019-09-07-86 | University of Delaware | Mycogens Footwear: Producing Biodegradable Shoes Using Renewably Sourced Materials. | \$0.00 | \$0 | \$5,000.00 |
| 88 | 2019-09-07-87 | University of Delaware | New Routes to Triggering Polymer Properties Via Intra and Intermolecular Reactions | \$0.00 | \$0 | \$717,599.00 |

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|-----|---------------|------------------------|---|----------------|----------------|
| 89 | 2019-09-07-88 | University of Delaware | JPMC PHD Faculty Fellows Support Funds | | \$0 |
| | | | | \$0.00 | \$2,970,170.00 |
| 90 | 2019-09-07-89 | University of Delaware | University of Delaware Education Sciences Predoctoral Fellows Training Program | | \$0 |
| | | | | \$4,150,180.00 | \$0.00 |
| 91 | 2019-09-07-90 | University of Delaware | Role Of Phagocytosis in Driving Changes to Viability, Activation, and Aging of the Innate Immune System | | \$0 |
| | | | | \$937,500.00 | \$0.00 |
| 92 | 2019-09-07-91 | University of Delaware | Deepwater Auv Surveys Of WWII U.S. Cultural Assets in the Saipan Channel | | \$0 |
| | | | | \$0.00 | \$31,250.00 |
| 93 | 2019-09-07-92 | University of Delaware | Pathway to Secondary Stem Teacher Residencies in Delaware High Schools | | \$0 |
| | | | | \$64,373.00 | \$0.00 |
| 94 | 2019-09-07-93 | University of Delaware | Impacts of Extreme Climatic Events and Infrastructure Development on Smallholder Agriculture in Vietnam | | \$0 |
| | | | | \$110,901.00 | \$0.00 |
| 95 | 2019-09-07-94 | University of Delaware | Robust Visual-Inertial Estimation in Challenging Environments | | \$0 |
| | | | | \$0.00 | \$80,000.00 |
| 96 | 2019-09-07-95 | University of Delaware | Using Sleep Health to Optimize Smoking Cessation Treatment Response in HIV-Positive Adults | | \$0 |
| | | | | \$0.00 | \$250,420.00 |
| 97 | 2019-09-07-96 | University of Delaware | Public Allies FY20 National Support | | \$0 |
| | | | | \$0.00 | \$334,287.00 |
| 98 | 2019-09-07-97 | University of Delaware | KOCH FDTN BREWER 2019 | | \$0 |
| | | | | \$0.00 | \$92,100.00 |
| 99 | 2019-09-07-98 | University of Delaware | Achieving Positive Youth Development in The Context of Healthy Food Environments: Leaders for Healthy Change | | \$0 |
| | | | | \$0.00 | \$155,668.00 |
| 100 | 2019-09-07-99 | University of Delaware | Acquisition of Goods And Services | | \$0 |
| | | | | \$15,455.00 | \$0.00 |
| 101 | 2019-09-08-01 | University of Delaware | The Baby Play Program: Promoting Motor, Cognitive, and Language Outcomes for Preterm Infants Through Parent Education | | \$0 |
| | | | | \$1,122,768.00 | \$0.00 |
| 102 | 2019-09-08-02 | University of Delaware | Office of Education - Student Support Services Program - Grant Application 2015/20 | | \$0 |
| | | | | \$607,508.00 | \$0.00 |
| 103 | 2019-09-08-03 | University of Delaware | Rebuilding Provisions Under the Magnuson-Stevens Act: Impacts on Biomass, Catch and Employment | | \$0 |
| | | | | \$329,452.00 | \$0.00 |
| 104 | 2019-09-08-04 | University of Delaware | Small Business Administration Cooperative Agreement FY19-20 | | \$0 |
| | | | | \$516,319.00 | \$0.00 |
| 105 | 2019-09-08-05 | University of Delaware | Career: The Measurement and Influence of Mathematics Motivation in a Digital Context | | \$0 |
| | | | | \$629,016.00 | \$0.00 |
| 106 | 2019-09-08-06 | University of Delaware | Using VIIRS to Operationalize Dynamic Ebm Tools on the U.S. East and West Coasts | | \$0 |
| | | | | \$0.00 | \$44,128.00 |
| 107 | 2019-09-08-07 | University of Delaware | IES Writing Across Levels of Language in 1st Grade | | \$0 |
| | | | | \$1,094,676.00 | \$0.00 |

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| 108 | 2019-09-08-08 | University of Delaware | Early Childhood Quality Improvement Pathway System (EQUIPS): Refining a New Program Quality Measure for Use in State Quality Rating and Improvement Systems | \$1,290,734.00 | \$0 | \$0.00 |
| 109 | 2019-09-08-09 | University of Delaware | Exploring the Association Between Video Chat Reading and Preschoolers Vocabulary Learning, Story Comprehension, and Print Concept Knowledge | \$1,212,387.00 | \$0 | \$0.00 |
| 110 | 2019-09-08-10 | University of Delaware | Dynamic Engineered Materials For In-Vitro Models Of Cardiobiology | \$937,500.00 | \$0 | \$0.00 |
| 111 | 2019-09-08-11 | University of Delaware | USDA Hatch Multistate FY20 | \$499,301.00 | \$0 | \$0.00 |
| 112 | 2019-09-08-12 | University of Delaware | Delaware Climate Plan: Technical Assistance and Public Engagement | 0.00 | \$0 | \$140,005 |
| 113 | 2019-09-08-13 | University of Delaware | Investigating the Interannual Variability of Salinity Around the Global Ocean with Satellite and Other Data Products | \$401,713.00 | \$0 | \$0 |
| 114 | 2019-09-08-14 | University of Delaware | Development of Bio-Inspired Nano-Sensors for Underwater Explosives and Hazardous Materials | \$0.00 | \$0 | \$112,009 |
| 115 | 2019-09-08-15 | University of Delaware | Theoretical Support for The IMAP Project In Phase B | \$0.00 | \$0 | \$21,909 |
| 116 | 2019-09-08-16 | University of Delaware | MARACOOS : Preparing For A Changing Mid-Atlantic | \$0.00 | \$0 | \$347,431 |
| 117 | 2019-09-08-17 | University of Delaware | Silicon Carbide Grain Boundary Strength | \$0.00 | \$0 | \$0 |
| 118 | 2019-09-08-18 | University of Delaware | Teen Warehouse PADE 19/20 Partner Organization | \$0.00 | \$0 | \$16,500 |
| 119 | 2019-09-08-19 | University of Delaware | Delaware Hatch (Regular Fund) FY 20 | \$1,129,569.00 | \$0 | \$0 |
| 120 | 2019-09-08-20 | University of Delaware | An Evaluation of Turning Around North Carolina Lowest Performing Schools: A State Partnership Evaluation | \$0.00 | \$0 | \$52,303 |
| 121 | 2019-09-08-21 | University of Delaware | A Statistical Learning Framework for Phylogenetic Inference: Information, Uncertainty, and Geometry | \$146,615.00 | \$0 | \$0 |
| 122 | 2019-09-08-22 | University of Delaware | REU Site: Sustainable Resilient Transportation Systems | \$356,410.00 | \$0 | \$0 |
| 123 | 2019-09-08-23 | University of Delaware | REU Site: Advanced Biomolecular Materials | \$350,758.00 | \$0 | \$0 |
| 124 | 2019-09-08-24 | University of Delaware | Examining the Efficacy of A Fraction Sense Intervention Grounded in Principles From the Science of Learning | \$2,090,471.00 | \$0 | \$0 |
| 125 | 2019-09-08-25 | University of Delaware | Effects of Exercise on Skeletal Health in Iron Deficient Female Rats (Bone Mineral Composition Analysis) | \$0.00 | \$0 | \$2,000 |
| 126 | 2019-09-08-26 | University of Delaware | Tuning Degradation Rates of Dry Powder Hydrogel Nanoparticle Formulations to Drive Antigen-Specific Immune Responses in the Lung | \$0.00 | \$0 | \$100,000 |

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| 127 | 2019-09-08-27 | University of Delaware | A Language Comprehension Screener for 2-Year-Old Spanish and Chinese-Speaking Dual Language Learners. | \$1,214,732.00 | \$0 | \$0 |
| 128 | 2019-09-08-28 | University of Delaware | Neural Markers of Persistence and Recovery from Childhood Stuttering: An FmMRI Study of Continuous Speech Production | \$51,665.00 | \$0 | \$0 |
| 129 | 2019-09-08-29 | University of Delaware | Documenting Disappearing Dairy Farms | \$0.00 | \$0 | \$44,436 |
| 130 | 2019-09-08-30 | University of Delaware | Lyapunov Technologies LLC, STTR Phase I Open Topic AF19B-T001 | \$22,440.00 | \$0 | \$0 |
| 131 | 2019-09-08-31 | University of Delaware | 4Th Phase Water Technologies, LLC, AF19B-T001 | \$25,000.00 | \$0 | \$0 |
| 132 | 2019-09-08-32 | University of Delaware | The Role of Beliefs and Aspirations on Parental Behavior and Their Impact on Childhood Interventions | \$0.00 | \$0 | \$106,949 |
| 133 | 2019-09-08-33 | University of Delaware | Inverse Problems in Electromagnetic Wave Propagation | \$0.00 | \$0 | \$167,831 |
| 134 | 2019-09-08-34 | University of Delaware | CY2019 NSF OPS Support | \$244,400.00 | \$0 | \$0 |
| 135 | 2019-09-08-35 | University of Delaware | Porting the MPS/University Of Chicago Radiative MHD Models to GPUs Using OpenACC | \$0.00 | \$0 | \$42,263 |
| 136 | 2019-09-08-36 | University of Delaware | Educational Affiliation and Biomedical Services | \$0.00 | \$0 | \$150,152 |
| 137 | 2019-09-08-37 | University of Delaware | Additive and Transformative Manufacturing Ipt | \$0.00 | \$0 | \$174,844 |
| 138 | 2019-09-08-38 | University of Delaware | Florida Developmental Disabilities Network Collaborative Leadership Program Year 2 | \$0.00 | \$0 | \$120,358 |
| 139 | 2019-09-08-39 | University of Delaware | Patient Experience Academy at Wilmington VA Medical Center | \$124,337.00 | \$0 | \$0 |
| 140 | 2019-09-08-40 | University of Delaware | Christiana Care Health Care Services Research Amendment 7 | \$0.00 | \$0 | \$34,002 |
| 141 | 2019-09-08-41 | University of Delaware | Christiana Care Health Care Services Research Amendment 8 | \$0.00 | \$0 | \$41,398 |
| 142 | 2019-09-08-42 | University of Delaware | Christiana Care Health Care Services Research Amendment 9 | \$0.00 | \$0 | \$39,160 |
| 143 | 2019-09-08-43 | University of Delaware | iManage-SCI: Improving Bowel and Bladder Symptom Monitoring and Self-Management After SCI | \$499,999.00 | \$0 | \$0 |
| 144 | 2019-09-08-44 | University of Delaware | Initial Evaluation of An eHealth Self-Management System to Reduce Depression and Increase Resilience After SCI | \$1,249,939.00 | \$0 | \$0 |
| 145 | 2019-09-08-45 | University of Delaware | Flow of Structuring Gels | \$0 | \$0 | \$15,666 |

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| 146 | 2019-08-31-01 | Delaware State University | Assessment of New Technologies for Water Purification in Aquaculture | \$0 | \$0 | \$19,923.00 |
| 147 | 2019-08-31-02 | Delaware State University | High-resolution Spectroscopic VOC Profiling Using Mid-IR Detection and Machine Learning | \$120,764.00 | \$0 | \$0 |
| 148 | 2019-08-31-03 | Delaware State University | Rural Development Through Farm to University Linkages | \$74,371.00 | \$0 | \$0 |
| 149 | 2019-08-31-04 | Delaware State University | Health Fund FY 2020 | \$0 | \$192,425.00 | \$0 |
| 150 | 2019-08-31-05 | Delaware State University | Cover Crop and Soil Health Training for Agriculture Service Providers in DE and the Eastern Shore of Maryland | \$0 | \$0 | \$83,332.00 |